

Zircar Ceramics AX-200 Refractory Supported Heater

Category : Ceramic , Oxide , Metal

Material Notes:

ZIRCAR Refractory Supported Heater Type AX-200 consists of high temperature, helically-wound, iron-chrome-aluminum metallic alloy resistance heating elements fully embedded in a strong, highly stable, high temperature refractory body. AX-200 precision fabricated high temperature heaters will produce uniform, reliable heat to 1100°C (2012°F). They are 100% organic free and will not smoke or outgas when heated. Typical Applications: Heating source in furnaces and industrial process equipment operating to 1100°C (2012°F). High temperature hot plate heating element. Molten metal splash resistant heating source for launders, troughs and distribution boxes. Information provided by Zircar Ceramics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zircar-Ceramics-AX-200-Refractory-Supported-Heater.php

Physical Properties	Metric	English	Comments
Density	1.92 g/cc	0.0694 lb/in ³	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.00410 GPa	0.595 ksi	
	@Temperature 816 °C	@Temperature 1500 °F	
Compressive Strength	27.6 MPa	4000 psi	
	@Temperature 816 °C	@Temperature 1500 °F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.860 W/m-K	5.97 BTU-in/hr-ft ² -°F	
	@Temperature 538 °C	@Temperature 1000 °F	
	0.900 W/m-K	6.25 BTU-in/hr-ft ² -°F	
	@Temperature 1100 °C	@Temperature 2010 °F	
Maximum Service Temperature, Air	1300 °C	2370 °F	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	47 %	47 %	
CaO	8.5 %	8.5 %	
Other, total	<= 4.5 %	<= 4.5 %	Including TiO ₂
SiO ₂	40 %	40 %	
TiO ₂	<= 4.5 %	<= 4.5 %	

Component Elements Properties

Metric

English

Comments

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